

Active Recombinant Human PGF Protein, His tagged

Cat. No. PGF-21HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PIGF-1/PGF, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Species	Human
Source	HEK293
ProteinLength	19-149 aa
Description	Enables growth factor activity. Involved in positive regulation of cell population proliferation. Predicted to be located in extracellular region. Predicted to be active in extracellular space. Implicated in several diseases, including brain ischemia; diabetic neuropathy; glioblastoma; myocardial infarction; and pancreatic endocrine carcinoma. Biomarker of several diseases, including artery disease (multiple); autoimmune disease of musculoskeletal system (multiple); epilepsy (multiple); limited scleroderma; and pancreatic endocrine carcinoma.
Form	Liquid
AASequence	LPAVPPQQWALSAGNGSSEVEVVPFQEVWGRSYCRALERLVDVVSEYPSEVEHMF SPSCVSLLRCTGCCGDENLHCVPVETANVTMQLLKIRSGDRPSYVELTFSQHVRC CRPLREKMKPERCGDAVPRR
Molecular Mass	15.5 kDa (137aa)

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Bio-activity	Measured by its binding ability in a functional ELISA with Human VEGFR1/Flt-1.
Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 90% by SDS-PAGE
Application	SDS-PAGE, Bioactivity
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol
Concentration	0.5 mg/mL (determined by Bradford assay)
Reference	1. Hauser, S. and H.A. Weich (1993) Growth Factors. 9:259-268. 2. Maglione, D., et al, (1993) Oncogene. 8:925-931. 3. Roncal, C., et al, (2010) Cardiovasc. Res. 86:29-36.

GENE INFORMATION

Gene Name	PGF placental growth factor [Homo sapiens (human)]
Official Symbol	PGF
Synonyms	PGF; placental growth factor; PGFL; PIGF; PLGF; PIGF-2; D12S1900; SHGC-10760; placenta growth factor; placental growth factor, vascular endothelial growth factor-related protein
Gene ID	5228

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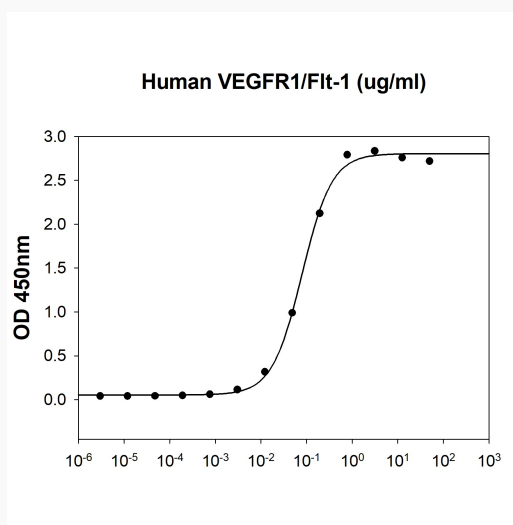
mRNA Refseq [NM_001207012](#)

Protein Refseq [NP_001193941](#)

MIM [601121](#)

UniProt ID [P49763](#)

Biological Activity

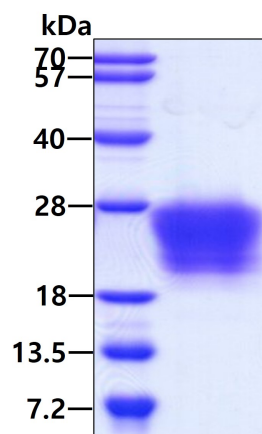


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SDS-PAGE and WB



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